Ã a ? d / Absolute Maximum Ratings(Ta=25 ;)

@ ƒ Parameter	… Z Symbol	ƒ › Rating	% y Unit
Peak pulse power (t_p = 8/20 s)	P_K	320	W
Peak pulse current (t_p = 8/20 s)	I_{PP}	6	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±30	KV
ESD according to IEC61000-4-2 contact discharge		±30	
Junction temperature	T_J	-55~+150	
Storage temperature	T_{STG}	-55~+150	

Ô4ì × ? d / Electrical Characteristics(Ta=25 ;)

@ ƒ Parameter	… Z Symbol	y ¡ Ú ^ Test Conditions	Â 4 › Min	Á º › Typ	Â Ý › Max	% y Unit
Reverse maximum working voltage	V_{RWM}				18	V
Reverse leakage current	I_R	V_{RWM} = 18V			1	uA
Reverse breakdown voltage[1)]	V_{BR}	I_T = 1mA	19			V
Clamping voltage [2)]	V_C	I_{PP} = 1A t_p = 8/20 s			26	V
		I_{PP} = 6A t_p = 8/20 s			40	V
Junction capacitance	$C_{I/O}$	V_R = 0V f = 1MHz Between I/O Pins and GND			40	pF

Notes:

1) V_{BR} is measured with a pulse test current IT at an ambient temperature of 25 - .

2) Non-repetitive current pulse, according to IEC61000-4-5.

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Fig.1 Non-Repetitive Pulse Power vs.Pulse Time

Fig.2 Pulse Waveform

Ø ¤ =) ¢ / Package Dimensions

, M y ƒ / Marking Instructions

QJA

ª ¢ y

Q y V ñ —)í D } ö œ

0 ' y º Z W A

Note y

Q y Automobile halogen-free product Code

JA y Product Type

š WD t … • Ž ¢ (x /) / : K S V K X G Z [X K 6 X U L O R K L U X / 8 8 K L R U] 9 U R J K X O T M 6

ª ¢ y

1o• Ä ½ “ † 150 ½200 - k ž • 60 ½120sec;

2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

1.Preheating:150~200 - , Time:60~120sec.

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.

3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ¯ »] / Resistance to Soldering Heat Test Conditions

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ˜ E	Units ;>û ¦H					Dimension ;>û p . (unit Æmm³)		
	Units/Reel / --	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box×	Outer Box1ç
DFN1006-2L	10,000	10	100,000	6	600,000	7 s ×8	180×120×180	390×385×205

„ Ð y ƒ